

ABSTRACT OF THE INVENTION

A method and apparatus provide for the reservation of dynamic IP addresses to enable a push server to initiate a PDP context as a part of providing push service without timing out. More specifically, in one embodiment of the invention, a push server generates a query to a domain name server to get the subscriber's IP address based upon the provided domain name. In this case, the subscriber is the person that is to receive the push data. The domain name server then generates a message to a dynamic host configuration protocol (DHCP) server to prompt it to reserve a dynamic IP address for the mobile subscriber. The DHCP server then returns the reserved "leased address" to the DNS server to enable it to perform a dynamic DNS update. The DNS server then returns the subscriber address to the push server. The push server then initiates a context activation. A gateway GPRS support node then requests ID information from the DHCP server for the leased address and initiates context activation with the received ID information resulting therefrom.